

| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)              |   |                |                  |   |                  |                  |                  | DATE<br>February 1999 |                  |                  |            |
|--|---|----------------|------------------|---|------------------|------------------|------------------|-----------------------|------------------|------------------|------------|
| BUDGET ACTIVITY<br>5 - Engineering and Manufacturing Development |   |                |                  | PE NUMBER AND TITLE<br>0604600F Munitions Dispenser Development |                  |                  |                  |                       | PROJECT<br>1015  |                  |            |
| COST (\$ In Thousands)   |   | FY 1998 Actual | FY 1999 Estimate | FY 2000 Estimate  | FY 2001 Estimate | FY 2002 Estimate | FY 2003 Estimate | FY 2004 Estimate      | FY 2005 Estimate | Cost to Complete | Total Cost |
| 1015   | Wind Corrected Munitions Dispenser (WCMD) Kit | 17,605         | 7,315            | 0   | 0                | 0                | 0                | 0                     | 0                | 0                | 144,149    |
|  | Quantity of RDT&E Articles                    | 6              | 0                | 0   | 0                | 0                | 0                | 0                     | 0                | 0                | 173        |

(U) **A. Mission Description**  
 This project develops an inertially guided tail kit for CBU-87B, CBU-89B, and CBU-97B dispensers to provide corrections for the effects of wind transients and ballistic errors caused by wind when these munitions are released from medium to high altitudes. Wind Corrected Munitions Dispenser (WCMD) kit fitted weapons will improve effectiveness of both bombers and fighters and significantly contribute to Air Force war fighting capabilities. WCMD kit fitted CBU-97's dropped from bombers are key to stopping enemy armored forces.

(U) **FY 1998 (\$ in Thousands):**

- (U) \$12,312 Redesigned the tail kit to correct a control actuator assembly backdrive; completed subsystem design verification test
- (U) \$1,384 Continued combined DT&E/IOT&E flight tests.
- (U) \$2,159 Program management support; includes travel, program office supplies and equipment, training, and technical engineering support
- (U) \$1,750 Completed integration on B-52 and continued integration on F-16 (Block 50)
- (U) \$17,605 Total

(U) **FY 1999 (\$ in Thousands):**

- (U) \$3,456 Complete system level design verification testing to include contractor flight test mission
- (U) \$117 Complete Development Testing/Operational Testing
- (U) \$1,306 Program management support; includes travel, program office supplies and equipment, training, and technical engineering support
- (U) \$2,300 Complete integration on F-16 (Block 50)
- (U) \$136 Identified as a source for SBIR
- (U) \$7,315 Total

(U) **B. Budget Activity Justification:**  
 This is funded in BA 5, Engineering and Manufacturing Development because it develops a weapon system.

UNCLASSIFIED

|  |                |                   |  |                |                              |                |                |                |                           |                             |
|--|----------------|-------------------|--|----------------|------------------------------|----------------|----------------|----------------|---------------------------|-----------------------------|
| <b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>   |                |                   |  |                | DATE<br><b>February 1999</b> |                |                |                |                           |                             |
| BUDGET ACTIVITY<br><b>5 - Engineering and Manufacturing Development</b>  |                |                   | PE NUMBER AND TITLE<br><b>0604600F Munitions Dispenser Development</b> |                | PROJECT<br><b>1015</b>       |                |                |                |                           |                             |
| <b>(U) C. <u>Program Change Summary (\$ in Thousands)</u></b>  |                |                   |  |                |                              |                |                |                |                           |                             |
|  | <u>FY1998</u>  | <u>FY1999</u>     | <u>FY 2000</u>   | <u>FY 2001</u> | <u>Total</u><br><u>Cost</u>  |                |                |                |                           |                             |
| (U) Previous President's Budget (FY 1999 PB)   | 17,519         | 7,559             | 0  | 0              | 144,720                      |                |                |                |                           |                             |
| (U) Appropriated Value   | 19,676         | 7,559             |  |                |                              |                |                |                |                           |                             |
| (U) Adjustments to Appropriated Value  |                |                   |  |                |                              |                |                |                |                           |                             |
| a. Congressional General Reductions  | -779           | -244              |  |                |                              |                |                |                |                           |                             |
| b. SBIR  | -1,386         |                   |  |                |                              |                |                |                |                           |                             |
| c. Omnibus or Other Above Threshold Reprogram  | -417           |                   |  |                |                              |                |                |                |                           |                             |
| d. Below Threshold Reprogramming   | 511            |                   |  |                |                              |                |                |                |                           |                             |
| (U) Adjustments to Budget Years Since FY 1999 PB   |                |                   |  |                |                              |                |                |                |                           |                             |
| (U) Current Budget Submit/FY 2000 PB   | 17,605         | 7,315             | 0  | 0              | 144,149                      |                |                |                |                           |                             |
| <br>(U) Significant Program Changes:   |                |                   |  |                |                              |                |                |                |                           |                             |
| FY99: \$136 identified as a source for SBIR.   |                |                   |  |                |                              |                |                |                |                           |                             |
| <br><b>(U) D. <u>Other Program Funding Summary (\$ in Thousands)</u></b>   |                |                   |  |                |                              |                |                |                |                           |                             |
|  | <u>FY 1998</u> | <u>FY 1999</u>    | <u>FY 2000</u>   | <u>FY 2001</u> | <u>FY 2002</u>               | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>To</u><br><u>Compl</u> | <u>Total</u><br><u>Cost</u> |
| (U) Procurement of Ammunition AF<br>P-1 Line WCMD  | 7,829          | 13,816            | 48,875   | 99,181         | 106,517                      | 79,035         | 78,489         | 70,826         | 0                         | 504,568                     |
| (U) SEEK EAGLE, Procurement of Ammunition<br>AF<br>P-1 Line WCMD   | 4,012          | 0                 | 0  | 0              | 0                            | 0              | 136            | 0              | 0                         | 4,148                       |
| <br><b>(U) E. <u>Acquisition Strategy:</u></b>   |                |                   |  |                |                              |                |                |                |                           |                             |
| A full and open competition in FY 1995 led to dual awards for a competitive development effort that included a competitive fly-off. The downselect to one contractor occurred in Jan 1997. The Cost-Plus Award Fee (CPAF) Pilot Production contract awarded to Lockheed-Martin includes production options for five years on a Firm Fixed Price (FFP) basis. |                |                   |  |                |                              |                |                |                |                           |                             |
| Project 1015   |                | Page 2 of 5 Pages |  |                | Exhibit R-2 (PE 0604600F)    |                |                |                |                           |                             |

UNCLASSIFIED

|  |                              |
|--|------------------------------|
| <b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b> | DATE<br><b>February 1999</b> |
|--|------------------------------|

|   |  |                        |
|---|--|------------------------|
| BUDGET ACTIVITY<br><b>5 - Engineering and Manufacturing Development</b> | PE NUMBER AND TITLE<br><b>0604600F Munitions Dispenser Development</b> | PROJECT<br><b>1015</b> |
|---|--|------------------------|

(U) F. Schedule Profile

|                          | <u>FY 1998</u> |   |   |   | <u>FY 1999</u> |   |   |   | <u>FY 2000</u> |   |   |   | <u>FY 2001</u> |   |   |   |
|--------------------------|----------------|---|---|---|----------------|---|---|---|----------------|---|---|---|----------------|---|---|---|
|                          | 1              | 2 | 3 | 4 | 1              | 2 | 3 | 4 | 1              | 2 | 3 | 4 | 1              | 2 | 3 | 4 |
| (U) Other Program Events |                |   |   |   |                |   |   |   |                |   |   |   |                |   |   |   |
| DT/OT                    |                |   |   |   |                |   |   |   |                |   |   |   |                |   |   |   |
| LRIP Decision            |                |   |   | * |                |   |   |   |                |   |   |   |                |   |   |   |
| LRIP Award 1/Award 2     |                |   |   | * |                |   | X |   |                |   |   |   |                |   |   |   |
| Milestone III            |                |   |   |   |                |   |   |   |                |   |   |   |                |   |   |   |
| FRP 1 Award              |                |   |   |   |                |   |   |   |                |   |   |   |                |   | X |   |

UNCLASSIFIED

| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)   |   |                          |                         |  |                        |                | DATE<br>February 1999     |                        |                |                    |               |
|--|---|--------------------------|-------------------------|--|------------------------|----------------|---------------------------|------------------------|----------------|--------------------|---------------|
| BUDGET ACTIVITY<br><b>5 - Engineering and Manufacturing Development</b>                    |   |                          |                         | PE NUMBER AND TITLE<br><b>0604600F Munitions Dispenser Development</b> |                        |                |                           | PROJECT<br><b>1015</b> |                |                    |               |
| <b>(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u></b>                              |   |                          |                         |  |                        |                |                           |                        |                |                    |               |
|  |   |                          |                         |  | <u>FY 1998</u>         | <u>FY 1999</u> | <u>FY 2000</u>            | <u>FY 2001</u>         |                |                    |               |
| (U) Major Contracts  |   |                          |                         |  | 12,312                 | 3,456          | 0                         | 0                      |                |                    |               |
| (U) Support Contracts  |   |                          |                         |  | 1,623                  | 768            | 0                         | 0                      |                |                    |               |
| (U) Program Office Support   |   |                          |                         |  | 536                    | 538            | 0                         | 0                      |                |                    |               |
| (U) Test And Evaluation  |   |                          |                         |  | 1,384                  | 117            | 0                         | 0                      |                |                    |               |
| (U) Aircraft Integration   |   |                          |                         |  | 1,750                  | 2,300          | 0                         | 0                      |                |                    |               |
| (U) Identified as a source for SBIR  |   |                          |                         |  | 0                      | 136            | 0                         | 0                      |                |                    |               |
| (U) Total  |   |                          |                         |  | 17,605                 | 7,315          | 0                         | 0                      |                |                    |               |
| <b>(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u></b> |   |                          |                         |  |                        |                |                           |                        |                |                    |               |
| <b>Performing Organizations:</b>   |   |                          |                         |  |                        |                |                           |                        |                |                    |               |
| Contractor or Government Performing Activity   | Contract Method/Type or Funding Vehicle | Award or Obligation Date | Performing Activity EAC | Project Office EAC   | Total Prior to FY 1998 | Budget FY 1998 | Budget FY 1999            | Budget FY 2000         | Budget FY 2001 | Budget to Complete | Total Program |
| Identified as a source for SBIR  |   |                          | N/A                     | N/A  | 0                      | 0              | 136                       | 0                      | 0              | 0                  | 136           |
| <u>Product Development Organizations</u>   |   |                          |                         |  |                        |                |                           |                        |                |                    |               |
| Lockheed Martin  | C/CPAF                                  | Jan 99                   | 81,620                  | 81,620   | 65,852                 | 12,312         | 3,456                     | 0                      | 0              | 0                  | 81,620        |
| <u>Support and Management Organizations</u>  |   |                          |                         |  |                        |                |                           |                        |                |                    |               |
| ASC/YH   | N/A                                     | various                  | N/A                     | N/A  | 4,189                  | 536            | 538                       | 0                      | 0              | 0                  | 5,263         |
| Support Contracts  | various                                 | Oct 98                   | N/A                     | N/A  | 5,562                  | 1,623          | 768                       | 0                      | 0              | 0                  | 7,953         |
| Project 1015   |   |                          | Page 4 of 5 Pages       |  |                        |                | Exhibit R-3 (PE 0604600F) |                        |                |                    |               |

**UNCLASSIFIED**

| <b>RDT&amp;E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)</b>  |  |                                 |                                |                           |  |                       |                       |                       |                       | DATE<br><b>February 1999</b> |                      |
|--|--|---------------------------------|--------------------------------|---------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------------------|
| BUDGET ACTIVITY<br><b>5 - Engineering and Manufacturing Development</b>                              |  |                                 |                                |                           | PE NUMBER AND TITLE<br><b>0604600F Munitions Dispenser Development</b> |                       |                       |                       |                       | PROJECT<br><b>1015</b>       |                      |
| <u>Contractor or Government Performing Activity</u>  | <u>Contract Method/Type or Funding Vehicle</u> | <u>Award or Obligation Date</u> | <u>Performing Activity EAC</u> | <u>Project Office EAC</u> | <u>Total Prior to FY 1998</u>  | <u>Budget FY 1998</u> | <u>Budget FY 1999</u> | <u>Budget FY 2000</u> | <u>Budget FY 2001</u> | <u>Budget to Complete</u>    | <u>Total Program</u> |
| <u>Test and Evaluation Organizations</u>   |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| 46 OG/OGML   | REO  | Feb 99                          | N/A                            | N/A                       | 6,882  | 1,384                 | 117                   | 0                     | 0                     | 0                            | 8,383                |
| Acft Integration   | AF 616   | Feb 99                          | N/A                            | N/A                       | 28,170   | 1,750                 | 2,300                 | 0                     | 0                     | 0                            | 32,220               |
| <b>(U) B. <u>Budget Acquisition History and Planning Information Continued (\$ in Thousands)</u></b> |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| <b>Government Furnished Property:</b>  |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| <u>Product Development Property</u>  |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| SFW/CEM/SE   | FPIF   | Apr 96                          | N/A                            | N/A                       | 4,203  | 0                     | 0                     | 0                     | 0                     | 0                            | 4,203                |
| CMBRE  | CPAF   | Jul 97                          | N/A                            | N/A                       | 4,371  | 0                     | 0                     | 0                     | 0                     | 0                            | 4,371                |
| <u>Support and Management Property:</u> Not Applicable   |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| <u>Test and Evaluation Property:</u> Not Applicable  |  |                                 |                                |                           |  |                       |                       |                       |                       |                              |                      |
| Identified as a source for SBIR  |  |                                 |                                |                           | 0  | 0                     | 136                   | 0                     | 0                     | 0                            | 136                  |
| Subtotal Product Development   |  |                                 |                                |                           | 74,426   | 12,312                | 3,456                 | 0                     | 0                     | 0                            | 90,194               |
| Subtotal Support & Management  |  |                                 |                                |                           | 9,751  | 2,159                 | 1,306                 | 0                     | 0                     | 0                            | 13,216               |
| Subtotal Test and Evaluation   |  |                                 |                                |                           | 35,052   | 3,134                 | 2,417                 | 0                     | 0                     | 0                            | 40,603               |
| <b>TOTAL PROJECT</b>   |  |                                 |                                |                           | <b>119,229</b>   | <b>17,605</b>         | <b>7,315</b>          | <b>0</b>              | <b>0</b>              | <b>0</b>                     | <b>144,149</b>       |